Life Cycle Assessment (LCA) - Environmental summary

GreenBump® industrial speed bump

Patented recycled composite material - thermoset plastics and recycled fibres

This summary presents the carbon footprint of the GreenBump® speed bump, assessed over its entire life cycle (modules A1 to C4), in accordance with EN 15804+A2:2019 and carried out by an independent university laboratory. The results can be used directly in carbon accounting (scope 3), CSRD reporting and ESG analyses.

6.22 kg CO_2 eq / module

Carbon footprint over the full life cycle (20 kg · A1–C4) - EN 15804+A2:2019 standard

Comparison with market alternatives

Material	GWP (kg CO_2 eq / unit)	vs GreenBump®
GreenBump® (patented recycled material)	**6.22**	**reference**
Rubber	58.58	**9.4x more**
Polyurethane	25.75	**4.1x more**
Concrete	90.13	**14.5x more**

9.4x fewer emissions than rubber, i.e. -89% greenhouse gases, and 52.4kg of CO_2 avoided per module replaced.

For your reporting

- 10 modules = 524 kg CO_2 avoided . 100 modules = 5.2 tonnes CO_2 avoided
- EN 15804 standardised data, auditable by any third party
- Can be used in scope 3 carbon accounting, CSRD reporting and ESG tenders

Study carried out in accordance with EN 15804+A2:2019 (Environmental Footprint 3.1 method) by an independent university laboratory.
Full, detailed and named report available on request.

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